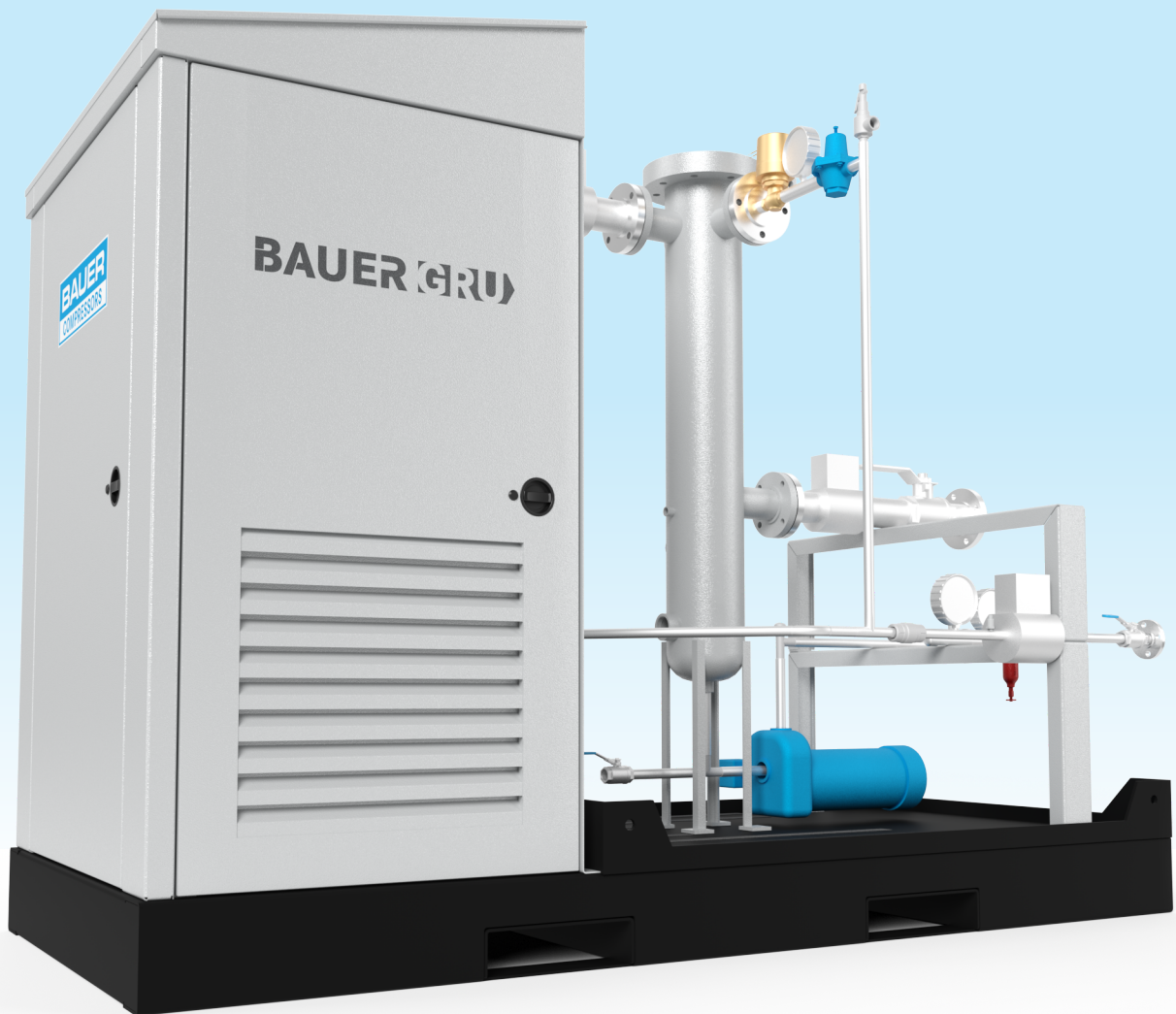


BAUER GRU™

BAUER Solutions for Gas and Vapor Recovery in Oil
Production Facilities



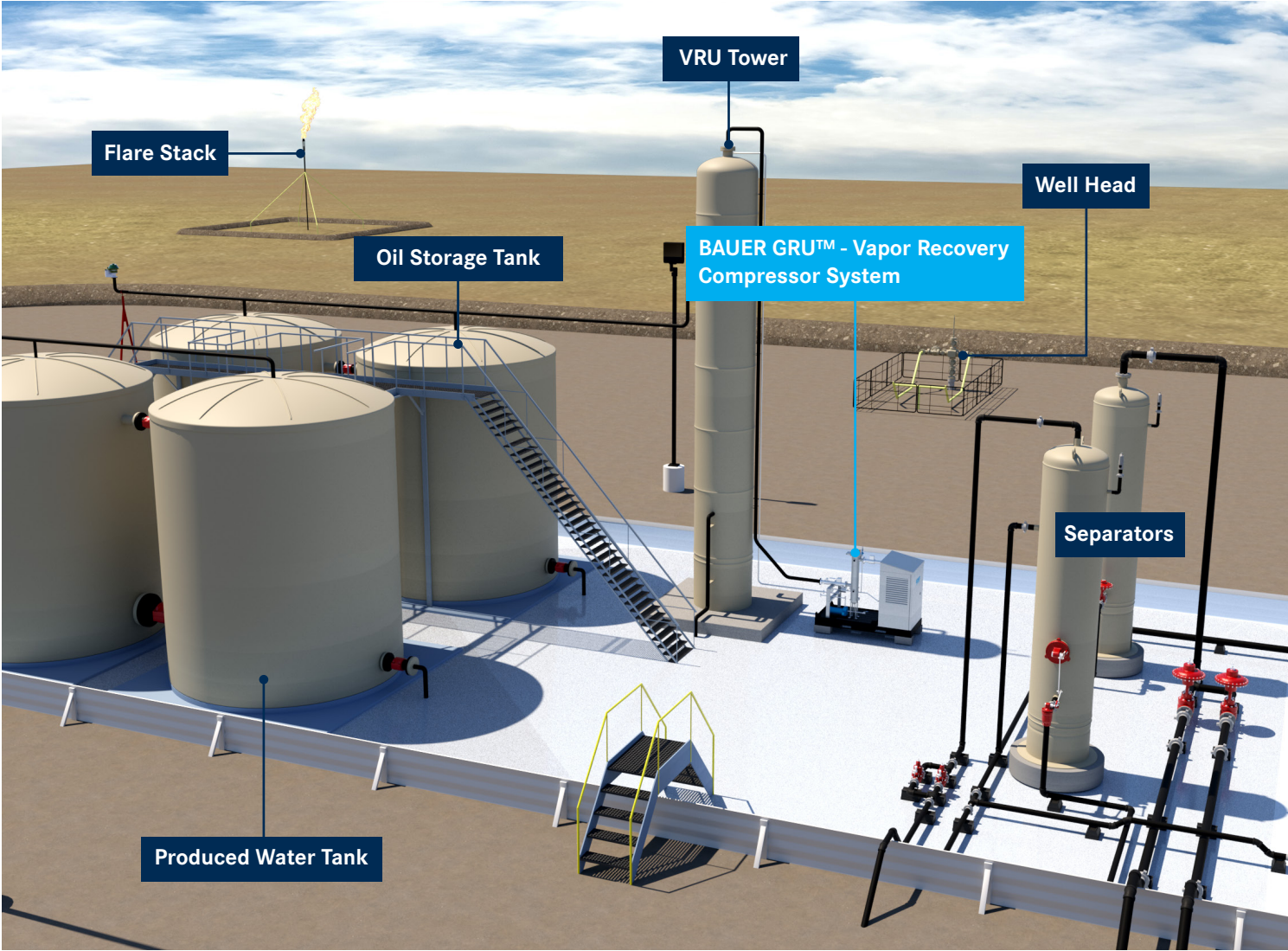
THE CASE FOR WELL GAS AND FLASH GAS VAPOR RECOVERY

In the United States and around the World billions of cubic foot of natural gas are flared or vented into the atmosphere every day. Flared and vented gas has the potential of significant additional revenue for the operator of the oil production wells if it were to be captured and compressed into a sales pipeline. In addition, both flaring and venting of methane gas have negative effects on the environment, contributing to an increase in greenhouse gases which have been linked to global warming and disruption weather cycles. Authorities are becoming increasingly vigilant on reducing greenhouse emissions through regulation and fines. Besides environmental compliance, many larger operators are worried about their corporate image due to increasing pressure from citizens and environmental groups.

In summary, the benefits of capturing well gas and flash gas into a sales pipeline vs. flaring and venting are:

- › Additional Revenue Stream For The Company
- › Environmental compliance
- › Defending Corporate Reputation

TYPICAL CRUDE OIL PRODUCTION FACILITY



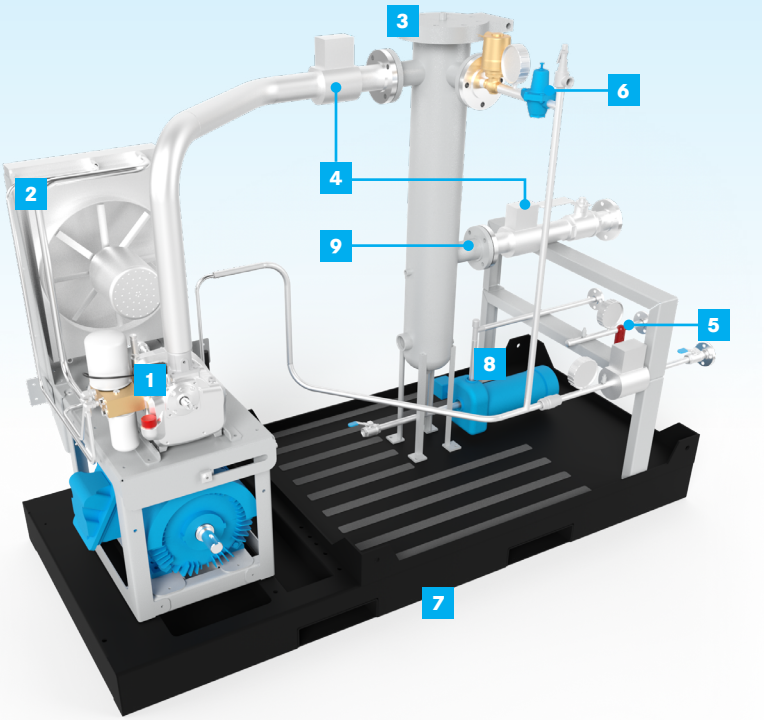
BAUER GRU™ GAS & VAPOR RECOVERY SYSTEMS

The Bauer GRU™ (Gas Recovery Unit) product range has been specifically designed for well gas recovery and flash gas vapor recovery in oil production facilities. At the heart of every GRU™ system is the legendary Bauer Rotorcomp® rotary screw compressor which is world renowned for exceptional durability and reliability. The GRU™’s sophisticated control system senses pressure upstream of the unit and automatically adjusts compressor speed to modulate compressor output based on the availability of gas. If there is an insufficient amount of gas available upstream for compression, the system automatically goes into recycling mode for instantaneous compression capability when upstream gas pressure suddenly increases. This significantly reduces the occurrence of venting gas into the atmosphere because the compressor is ready to operate instantaneously vs. ramping up through normal start-up sequences after being completely shut down.

KEY FEATURES AND BENEFITS

- › **Bauer Reliability and Durability:** Bauer’s extremely reliable and durable Rotorcomp® rotary screw compressor is at the heart of every GRU™ system.
- › **Superior Operation:** Bauer’s sophisticated PLC control system senses upstream gas pressure, then automatically adjusts compressor throughout including going into standby recycling mode if there is no momentary gas to compress. This significantly reduces occurrences when gas has to be vented into the atmosphere because of excessive pressure build-up or conversely, a vacuum is created by the compressor.
- › **Wide Operating Range:** Bauer offers a wide range of available GRU™ capacities from small to medium sized flash gas vapor recovery units (20 - 180 MCFD) to large well gas recovery units - up to 900 MCFD in electric drive and up to 2,600 MCFD in natural gas engine drive.
- › **Total Transparency and Control:** Every Bauer GRU™ system is equipped with Bauer Connect™ IOT remote telemetry which allows remote monitoring and control of the system via mobile smart devices as well as any computer which has an internet connection.
- › **Best warranty in the industry:** Every system is backed by Bauer’s two (2) year all-inclusive warranty and lifetime support warranty.

- 1 BAUER ROTORCOMP® ROTARY SCREW COMPRESSOR
- 2 COMBINATION AIR/OIL AFTERCOOLER
- 3 GAS INLET CONDENSATE SEPARATOR TANK
- 4 PLC CONTROLLED, ACTUATED VALVES
- 5 LINE SUCTION PRESSURE SENSOR
- 6 PRESSURE RELIEF VALVES
- 7 SKID WITH FORKLIFT POCKETS AND LIFTING RINGS
- 8 CONDENSATE PUMP (AUTOMATIC)
- 9 FLANGED CONNECTIONS



BAUER CONNECT™ REMOTE TELEMETRY AND CONTROL VIA MOBILE APP

Bauer Connect™ is an App-based IOT solution which allows Bauer customers to remotely monitor the performance as well as control the entire Bauer system through any wireless mobile device or computer anywhere, any time.

The Bauer Connect™ App will provide “push notifications” if certain critical parameters of the Bauer system fall outside of normal operating range or if triggered by a system alert. This assures that essential personnel are notified immediately, thus allowing for pro-active intervention in situations which could potentially be detrimental to the Bauer system as well as the customer's operation. The remote HMI function allows factory trained technical personnel to remotely control the Bauer system via the Bauer Connect™ App with the exact same functionality as if one were standing in front of the actual unit. Bauer Connect™ will also display a real-time graphical display of the entire system (SCADA view) as well as any historical data via a multitude of standard and customized reports. Other important information such as system operating instructions, maintenance schedules and parts information can also be accessed via the Bauer Connect™ App.



TECHNICAL DATA

Model	Motor		Suction Pressure	Throughput Performance at Final Pressure (210 PSIG Max)			
				At Min RPM		At Max RPM	
	hp	kW	PSIG	RPM	MCFD	RPM	MCFD
GRU 3-15	15	11	0.25	3800	26	7600	61
GRU 3-25	25	18.6	0.25	3600	41	7200	91
GRU 6-30	30	22.3	0.25	2300	60	3400	102
GRU 6-40	40	30	0.25	2300	60	4500	144
GRU 6-50	50	37.2	0.25	2700	76	5500	182
GRU 9-60	60	45	0.25	2200	122	4000	250
GRU 9-75	75	56	0.25	2400	137	4800	308
GRU 15-125	125	93	0.25	2200	259	4300	530
GRU 28-175	175	130.5	0.25	1400	388	2700	784
GRU 28-220	220	164	0.25	1500	418	3100	905
GRU 76-725	725	540.6	10	1200	1177	2370	2600

Volume flow rate for all compressor systems is according to ISO 1217 with the following standard conditions: Elevation 3000 ft. Inlet gas temperature = 85o F Relative Water Vapor Pressure = 0
Standard voltage = 460 V, 3 Ph, 60 Hz. Other voltages and 50 Hz available against additional expense.

LEARN MORE ABOUT OUR OIL AND GAS SOLUTIONS AT:
www.BauerOilandGas.com



GLOBAL SUPPORT



SINGLE SOURCE RESPONSIBILITY



LOW COST OF OWNERSHIP



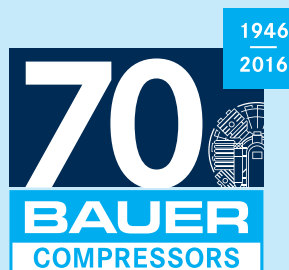
LIFECYCLE PERFORMANCE

FOR MORE INFORMATION ABOUT OUR CUSTOMER SUPPORT PLEASE VISIT: www.BauerCustomerSupport.com

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Subject to technical changes